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**Term:**

(5924987 and vertical\$2)

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File: USPT

Oct 30, 2001

US-PAT-NO: 6311085

DOCUMENT-IDENTIFIER: US 6311085 B1

TITLE: Method and apparatus for magnetic resonance  
arteriography using contrast agents

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 2. Document ID: US 6195579 B1

L1: Entry 2 of 3

File: USPT

Feb 27, 2001

US-PAT-NO: 6195579

DOCUMENT-IDENTIFIER: US 6195579 B1

TITLE: Contrast detection and guided reconstruction in  
contrast-enhanced magnetic resonance angiography

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 3. Document ID: US 5924987 A

L1: Entry 3 of 3

File: USPT

Jul 20, 1999

US-PAT-NO: 5924987DOCUMENT-IDENTIFIER: US 5924987 ATITLE: Method and apparatus for magnetic resonance  
arteriography using contrast agents

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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L1: Entry 3 of 3

File: USPT

Jul 20, 1999

DOCUMENT-IDENTIFIER: US 5924987 A

TITLE: Method and apparatus for magnetic resonance arteriography using contrast agents

## DEPR:

In a preferred embodiment, the legs and arms of the patient are positioned in such a manner that the arteries to be imaged (e.g., the abdominal aorta, femoral artery, and tibial artery, as well as the intervening arteries) are within a relatively small image volume during scanning. With reference to FIG. 5A, where the vasculature from the supra-renal aorta to the level of the foot arteries is to be imaged, the imaging volume must be of sufficient thickness to account for variations in vertical positioning of the arteries to be imaged. The course or path of the arteries do not follow a straight line in the sagittal plane from aorta to foot. Rather, height of those arteries vary considerably. As such, the imaging volume should be sufficiently thick to include all of the arteries at the maximum to minimum anticipated heights. By raising certain limbs (e.g., the legs and the feet), the arteries in those limbs will have less of a vertical deviation from arteries in the torso.

## DEPR:

It should be noted that as discussed above, the variations of the vertical locations/path of the arteries may be reduced by using a system and technique of raising certain limbs, e.g., the legs and feet. By adjusting the height of the limbs, the arteries in those limbs will have less of a vertical deviation from arteries in the torso.